APPLE INTERRUPT CLOCK

```
: THIS ROUTINE IS NOT COMPATIBLE WITH
: APPLE II  DOS OR TAPE I/O.
:
. ORG   300
:
: MONITOR ROUTINES
:
COUT    . DL    FDED            CHARACTER OUTPUT
BCLC    . DL    FBC1            CALC SCREEN ADDRESS


: INPUT VECTORS
IVL       . HS   1B             NORMAL  )
IVH       . HS   FD             INPUT   { KEYBRD .DL FD1B
CLKINL    . HS   00             CLOCK   )
CLKINH    . HS   C5             INPUT   )


: PAGE ZERO LOCATIONS
ZERO     . DL    0              TEMPORARY LOCATIONS
ONE      . DL    1              USED BY CLOCK
WNDB     . DL    23             SCREEN BOTTOM
CH       . DL    24             CURSOR HORIZONTAL
CV       . DL    25             CURSOR VERTICAL
KSWL     . DL    38             KEYIN VECTOR
KSWH     . DL    39             LOCATION


: INPUT BUFFER (14 CHARACTERS)
 BUFF    . DL    285

:CLOCK ADDRESSES (IN SLOT 5)
CIRQ     . DL    C0D7
CINT     . DL    C0D8
CLKADR   . DL    C500


START    PHA                    SAVE
         TXA                    REGISTERS
         PHA
         TYA
         PHA
         LDA    CIRQ            ENABLE HIGHER-LEVEL INTS.
         LDA    CV
         PHA
         LDA    CH
         PHA
         LDA    WNDB
```

		PHA					
		LDA	ZERO				
		PHA					
		LDA	ONE				
		PHA					
		~~LDA~~	~~#17~~				
		~~STA~~	~~WNDB~~				
		LDA	#ØD	SET UP			
		STA	CH	SCREEN			
		LDA	#17				
		STA	WNDB				
		STA	CV				
		JSR	BCLC				
		LDA	#<CLKADR	SET UP			
		STA	KSWL	INPUT			
		LDA	#>CLKADR	VECTOR			
		STA	KSWH				
		JSR	CADR	GET TIME			
		LDX	#ØD	SET LOOP COUNTER			
	PRLP	LDA	BUFF,X	GET CHAR			
		JSR	COUT	PRINT IT			
		DEX					
		BNE	PRLP	RESTORE			
		PLA					
		STA	ONE	TEMP.			
		PLA					
		STA	ZERO	STORAGE			
		PLA					
		STA	WNDB	AND			
		PLA					
		STA	~~#~~CH	SCREEN			
		PLA					
		STA	~~#~~CV	SETTINGS			
		~~PLA~~					
		JSR	BCALC				
		PLA					
		TAY					
		PLA					
		TAX					
		PLA					
		STA	CINT	ENABLE LOWER-LEVEL INTERRUPTS			
		RTI					